

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IMSQ120R040M2HB	**Issued**	29. October 2026
MA#	MA006132189		
Package	PG-HDSOP-16-221	**Weight***	1879.19 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	non noble metal	tin	7440-31-5	0.077	0.004	0.264	41	2638
	noble metal	gold	7440-57-5	0.298	0.016		159	
	inorganic material	siliconcarbide	409-21-2	4.582	0.244		2439	
chip_2	non noble metal	tin	7440-31-5	0.046	0.002	0.159	25	1585
	noble metal	gold	7440-57-5	0.179	0.010		95	
	inorganic material	siliconcarbide	409-21-2	2.754	0.147		1465	
leadframe	inorganic material	phosphorus	7723-14-0	0.325	0.017	57.609	173	576088
	non noble metal	iron	7439-89-6	1.083	0.058		576	
	non noble metal	copper	7440-50-8	1081.174	57.534		575339	
wire	non noble metal	aluminium	7429-90-5	9.876	0.526	0.526	5255	5255
encapsulation	organic material	carbon black	1333-86-4	3.849	0.205	40.968	2048	409683
	miscellaneous	miscellaneous	-	42.343	2.253		22533	
	plastics	epoxy resin	-	53.891	2.868		28678	
	inorganic material	silicondioxide	60676-86-0	669.791	35.642		356425	
leadfinish	non noble metal	tin	7440-31-5	8.299	0.442	0.442	4416	4416
plating	inorganic material	phosphorus	7723-14-0	0.001	< 0.001	0.033	1	333
	non noble metal	nickel	7440-02-0	0.625	0.033		332	
*deviation	< 10%				Sum in total:	100.000		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption.

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